

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2015 Levee Inspection Results****Reclamation District No. 2075 McMullin**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

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SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2015 Levee Inspection Results

Reclamation District No. 2075 McMullin

Waterway			Bank	Unit Miles
Unit No. 01 San Joaquin River			Right	7.45
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/07/2015 - 04/07/2015			
DWR Inspector	Herman Phillips			
Accompanied By	Eddie Cordoza			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	04/07/2015 04/07/2015	Herman Phillips

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_RD2075_01_f_2014_9				
Action/Comments					
Inspector Comments: RD 2075 has the O&M Manual on file.					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_RD2075_01_f_2014_10				
Action/Comments					
Inspector Comments: RD 2075 has emergency supplies stored in their building.					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_RD2075_01_f_2014_11				
Action/Comments					
Inspector Comments: RD 2075 has regular training for their work crews. This district doesn't have a crew, only trustees, landowners, and farmers.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	04/07/2015 04/07/2015	Herman Phillips

LM Start	0.11	Rating **	M	Issue No.	14
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.748365 °	37.746170 °
				-121.289758 °	-121.289578 °
DWR ID	DWR_RD2075_01_s_2015_14				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : SP_2015_RD2075_315_14_20150604_00008.jpg



RD 2075 looking downstream at the landside levee slope.

LM Start	0.12	Rating **	M	Issue No.	15
LM End	0.12	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.748200 °	37.748200 °
				-121.289717 °	-121.289717 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24663 DS_ID:24735 EP_NO: 4736 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - pipe not visible on waterside.no access to concrete riser on waterside.blocked siphon breaker. FIELD_STRUCT_DESC: 14-inch steel pipe through the levee, 4.0 feet below the crown. Pump mounted on pile structure in drainage ditch on the landside. Siphon breaker in concrete riser unit on the waterward slope. Concrete distribution box at the toe of waterward slope. (App. No. 4736 - E. E. Brown). O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	04/07/2015 04/07/2015	Herman Phillips

LM Start	2.35	Rating **	M	Issue No.	16
LM End	2.35	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.731314 °	37.731314 °
				-121.293713 °	-121.293713 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24666 DS_ID:24737 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: - service pole on landsideLooks abandoned. Walkway in dilapidated condition. FIELD_STRUCT_DESC: 16-inch pipe through the levee, 4.5 feet below the crown. Pump mounted on pile structure in drain ditch on the landward side. Siphon breaker in CM riser unit on the waterward slope. O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

No Photos

LM Start	3.91	Rating **	M	Issue No.	17
LM End	3.91	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.713744 °	37.713744 °
				-121.280712 °	-121.280712 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41721 DS_ID:24746 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Several concrete structure with Alfalfa valveOnly steel pipe visible on river bank. Service pole on watersideNew field discovered crossing. FIELD_STRUCT_DESC: 10-inch irrigation pvc pipe through the levee. Slant pump in river bank. Distribution box on levee berm on waterside. U type concrete headwall and open outlet on levee toe on landside. FS Date: 11/13/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	04/07/2015 04/07/2015	Herman Phillips

LM Start	5.20	Rating **	M	Issue No.	5
LM End	5.57	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.728840 °	37.724765 °
				-121.275112 °	-121.270970 °
DWR ID	DWR_RD2075_01_f_2014_5				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

LM Start	5.21	Rating **	M	Issue No.	6
LM End	5.56	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			37.728778 °	37.724880 °
				-121.275003 °	-121.271033 °
DWR ID	DWR_RD2075_01_f_2014_6				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	04/07/2015 04/07/2015	Herman Phillips

LM Start	5.26	Rating **	M	Issue No.	18
LM End	5.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.728853 °	37.728853 °
				-121.275220 °	-121.275220 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:41747					
DS_ID:24739					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: - flap gates in concrete box on LS toe have failed and are open. Rusted through flapgate may indicate condition of interior of pipe.					
FIELD_STRUCT_DESC: 1 of 2: Two 16- inch pipes through the levee, 8.0 feet below the crown. Pump mounted on pile structure in the river.					
Walkway to the pumps. Siphon breakers and concrete distribution box on the landward slope. Electric conduit through the levee. O&M Manual SJR 003, Dec. 1968.					
FS Date: 11/13/2013					

No Photos

LM Start	5.26	Rating **	M	Issue No.	19
LM End	5.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.728848 °	37.728848 °
				-121.275195 °	-121.275195 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:25184 DS_ID:24743 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Flap gate lid displaced. FIELD_STRUCT_DESC: 2 of 2: Two 16-inch pipes through the levee, 8.0 feet below the crown. Pump mounted on pile structure in the river. Walkway to the pumps. Siphon breakers and concrete distribution box on the landward slope. Electric conduit through the levee. O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	04/07/2015 04/07/2015	Herman Phillips

LM Start	5.28	Rating **	M	Issue No.	12
LM End	5.28	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR Erosion Survey			37.727933 °	37.727933 °
				-121.274491 °	-121.274491 °
DWR ID	DWR_RD2075_01_s _ 2015_12				
Action/Comments					
Inspector Comments: 09/10/2013: No significant change observed. 09/13/2012: No significant change observed. 08/18/2011: No significant change observed. Some new material added to the water side levee slope, but the added material is loose and seems not helping the levee protection. 10/05/2010: No significant change observed. Levee slope has minimal vegetation and lacks rip rap protection. Sandy material found on the lower and middle slope is an undesirable material to have on a levee. 08/05/2010: Recommended for annual assessment and monitoring during flood events, per CLRO. 08/20/2009: No major change since last visit; site is located in an oxbow; slope surface consists of very sandy material; there is a tree on site leaning and with exposed tree roots; site is recommended as a local maintenance issue, per CLRO CES Evaluation 2008 Report; Eddy Cordoza from the district is aware of the site and is looking for recommendation; site is previously rated "U". 08/17/2007: Site is close to an irrigation pump inlet. [2014 Site ID:RD2075U01RM64.34]					

Photo 1 of 1 : SP_2015_RD2075_315_12_20150312_00001.jpg



Looking downstream of the erosion site.

LM Start	5.63	Rating **	U	Issue No.	20
LM End	5.63	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.724877 °	37.724877 °
				-121.271025 °	-121.271025 °
DWR ID					
Action/Comments					
Inspector Comments: FS_ID:24723 DS_ID:24740 EP_NO: 3492 Repair Type: Urgent Crossing Status: Found UCIP Comments: Huge erosion on waterside levee slope due to siphon breaker leakage. It is not 16-inch but 12-inch steel pipe. Pump not mounted on pile structure but mounted on concrete sump. Siphon breaker not in concrete riser but on steel pipe. Pipe is not 8 ft. below the crown but 4 ft below the crown. Looks original pipe was replaced with new crossing. Needs more information from LMA or DWR Inspector. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.0 feet below the crown. Pump mounted on concrete sump in drain ditch on the landside. Siphon breaker on the waterside slope. (App. No. 3492&A - RD2075) O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2015

Reclamation District No. 2075 McMullin

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 San Joaquin River	Right	7.45	04/07/2015 04/07/2015	Herman Phillips

LM Start	6.92	Rating **	U	Issue No.	21
LM End	6.92	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.714162 °	37.714162 °
				-121.259227 °	-121.259227 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:43027 DS_ID:24742 EP_NO: 4051 Repair Type: Urgent Crossing Status: Found UCIP Comments: - exposed deformed pipe on landside slope. Soil erosion also occurred around the deformed pipe. Walkway at pump on LS toe in poor structural condition. A temporary 12-inch PVC pipe also found on both sides of the levee. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 5.5 feet below the crown. Pump mounted over concrete sump at the landside levee toe. Siphon breaker in CM riser unit on the waterward shoulder. 12-inch PVC pipe 1.0 foot below the crown installed for emergency use during 1986 floods. (App. No. 4051). O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

LM Start	7.51	Rating **	M	Issue No.	22
LM End	7.51	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			37.710421 °	37.710421 °
				-121.268221 °	-121.268221 °
DWR ID					

No Photos

Action/Comments					
Inspector Comments: FS_ID:24738 DS_ID:24734 EP_NO: 2150 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Most of the pipe exposed on waterside bleeds investigation regarding levee subsidence along pipe alignment on landside slope. FIELD_STRUCT_DESC: 12-inch pipe through the levee, 4.5 feet below the crown. Pump mounted on pile structure in the river. Concrete distribution box at the landward toe. Electric conduit through the levee. (App. No. 2150 - Cardoza) O&M Manual SJR 003, Dec. 1968. FS Date: 11/13/2013					

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	